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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/612,858

07/03/2003

Ching-Huang Lin

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03/21/2005

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EXAMINER

DUONG, THOI V

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 03/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/612,858

Applicant(s)

LIN, CHING-HUANG

Examiner

Thoi V. Duong

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 ~~is/are~~ pending in the application.
- 4a) Of the above claim(s) 17-24 ~~is/are~~ withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16, 25 and 26 ~~is/are~~ rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 0105.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Species I, claims 1-16 in the reply filed on January 10, 2005 is acknowledged.

Accordingly, claims 17-24 were withdrawn and new claims 25 and 26 were added. Claims 1-16, 25 and 26 are currently pending in this office action.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1, 2, 6-9, 15 and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by Lin et al. Lin, USPN 6,816,212 B2).

Re claim 1, as shown in Fig. 2, Lin discloses an LCD module connecting mechanism for an electronic device, comprising:

an arm 42 (straight strip) disposed in the electronic device, having a first joining portion 421 disposed on a side thereof,

a frame 32 disposed on a side of the LCD module 3, having a second joining portion 311;

wherein the LCD module connects the electronic device 41 by joining the first joining portion 421 and the second joining portion 311.

Re claim 2, the first joining portion 421 has a hook disposed therein, and the second joining portion 311 has at least an opening.

Re claim 6, the LCD module connecting mechanism of Lin further comprises a mold body 31 enclosed by the frame 32, wherein the mold body has a channel on a side thereof to receive the hook as shown in Fig. 3.

Re claim 7, the hook 421 is C-shaped as shown in Fig. 3.

Re claim 8, as shown in Figs. 2 and 3, the LCD module connecting mechanism of Lin further comprises a mold body 31 disposed in the LCD module, wherein the mold body has a channel and at least an opening 311 connected thereto,

wherein, re claim 9, the first joining portion 421 has a hook disposed therein, and the second joining portion 311 has at least an opening; and

wherein, re claim 15, the hook 421 is C-shaped as shown in Fig. 3.

Re claim 26, as shown in Fig. 2, Lin discloses an LCD module connecting mechanism for an electronic device comprising:

a fixing member 42, comprising a first joining portion 421 disposed on a side thereof; and

a frame 32 disposed on a side of the LCD module 3, comprising a second joining portion 311;

wherein the LCD module in the frame and the electronic device 41 are connected by joining the first joining portion 421 and the second joining portion 311.

4. Claims 1-6, 8-11, 13, 14, 16, 25 and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by Kim (USPN 6,618,240 B1).

Re claim 1, as shown in Fig. 8, Kim discloses an LCD module connecting mechanism for an electronic device comprising:

an arm 60 (hinge frame) disposed in the electronic device (see also Fig. 1), having a first joining portion 61, 62 disposed on a side thereof,

a frame disposed on a side of the LCD module 10, having a second joining portion 12, 13;

wherein the LCD module connects the electronic device by joining the first joining portion 61, 62 and the second joining portion 12, 13.

Re claim 2, the first joining portion 61, 62 has a hook disposed therein, and the second joining portion 12, 13 has at least an opening.

Re claim 3, the second joining portion has a first opening 13 and a second opening 12, wherein the LCD module 10 connects the electronic device by inserting the hook 62 through the first opening 13 with the hook 61 (Applicant's tail of the hook) located at the second opening 12,

wherein, re claim 4, as shown in Fig. 9, the size of the second opening 12a is substantially equal to the hook 61a.

Re claim 5, as shown in Fig. 8, the arm 60 has a depression disposed thereon opposite to the hook 62.

Re claim 6, the LCD module connecting mechanism further comprising a mold body 9 enclosed by the frame 11, wherein the mold body has a channel on a side thereof to receive the hook (Fig. 9).

Re claim 8, as shown in Fig. 9, the LCD module connecting mechanism of Lin further comprises a mold body 9 disposed in the LCD module (see also Fig. 6), wherein the mold body has a channel and at least an opening 15 connected thereto,

wherein, re claim 9, the first joining portion has a hook 62 disposed therein, and the second joining portion has at least an opening 13;

wherein, re claim 10, the second joining portion has a first opening 13 and a second opening 12, wherein the LCD module connects the electronic device by inserting the hook 62 through the first opening with the hook 61 (tail of the hook 62) located at the second opening 12;

wherein, re claim 11, as shown in Fig. 9, the size of the second opening 12a is substantially equal to the hook 61;

wherein, re claim 13, as shown in Figs. 8 and 9, the mold body has a third opening and a fourth opening opposite to the first and second openings 12, 13 connecting the channel, wherein the hook passes through the third opening, the

channel and the fourth opening such that the LCD module 10 is joined with the electronic device (see also Fig. 1);

wherein, re claim 14, the arm further has a depression disposed thereon opposite to the hook (Fig. 8);

wherein, re claim 16, the electronic device is a notebook computer as shown in Fig. 1.

Re claim 25, as shown in Fig. 4, the LCD module connecting mechanism of Kim further comprises a housing 122 covering the electronic device (see also Fig. 1), wherein the arm 126 is fixed to the housing.

Re claim 26, as shown in Figs. 6 and 8, Lin discloses an LCD module connecting mechanism for an electronic device comprising:

a fixing member 60, comprising a first joining portion 61, 62 disposed on a side thereof; and

a frame 11 disposed on a side of the LCD module, comprising a second joining portion 12, 13;

wherein the LCD module in the frame 11 and the electronic device 61 are connected by joining the first joining portion 61, 62 and the second joining portion 12, 13.

5. Claims 1-12, 14-16 and 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Kim (USPN 6,411,352 B1).

Re claim 1, as shown in Figs. 3 and 4, Kim discloses an LCD module connecting mechanism for an electronic device, comprising:

an arm 24 (board holder) disposed in the electronic device 22, having a first joining portion 24D, 24C disposed on a side thereof,

a frame 20 disposed on a side of the LCD module, having a second joining portion 20A, 20C;

wherein the LCD module connects the electronic device by joining the first joining portion and the second joining portion (col. 3, lines 28-40),

wherein, re claim 2, the first joining portion has a hook disposed therein, and the second joining portion has at least an opening;

wherein, re claim 3, the second joining portion has a first opening 20C (on top of guide protrusion 20B) (see Fig. 6) and a second opening 20A, wherein the LCD module connects the electronic device by inserting the hook 24D through the first opening 20C with the hook 24C (the tail of the hook 24D) located at the second opening 20A as shown in Fig. 5;

wherein, re claim 4, as shown in Fig. 5, the size of the second opening 20A is substantially equal to the hook 24C;

wherein, re claim 5, the arm 24 has a depression disposed thereon opposite to the hook 24D, 24C as shown in Fig. 4.

Re claim 6, the LCD module connecting mechanism of Kim further comprises a mold body enclosed by the frame, wherein the mold body has a channel on a side thereof to receive the hook as shown in Figs. 5 and 6.

Re claim 7, as shown in Fig. 6, the hook 24D is C-shaped.

Re claim 8, the LCD module connecting mechanism of Kim further comprises a mold body 20 disposed in the LCD module, wherein the mold body has a channel and at least an opening 20A connected thereto as shown in Figs. 4 and 5,

wherein, re claim 9, the first joining portion has a hook 24D disposed therein, and the second joining portion has at least an opening 20C (top of guide protrusion 20B);

wherein, re claim 10, the second joining portion has a first opening 20C and a second opening 20A as shown in Figs. 4 and 6, wherein the LCD module connects the electronic device by inserting the hook 24D through the first opening with the hook 24C (tail of the hook 24D) located at the second opening 20A as shown in Fig. 5;

wherein, re claim 11, the size of the second opening 20A is substantially equal to the hook 24C as shown in Fig. 5;

wherein, re claim 12, the first opening 20C (top of guide protrusion 20B) is larger than the second opening 20A as shown in Fig. 4.

Re claim 14, the LCD module connecting mechanism of Kim further has a depression disposed thereon opposite to the hook 24C as shown in Fig. 4.

Re claim 15, the hook is C-shaped as shown in Fig. 6.

Re claim 16, the electronic device of Kim is a notebook computer (col. 1, lines 14-23).

Re claim 26, as shown in Fig. 4, Kim discloses an LCD module connecting mechanism for an electronic device comprising:

a fixing member 24, comprising a first joining portion 24C disposed on a side thereof; and

a frame 20 disposed on a side of the LCD module, comprising a second joining portion 20A;

wherein the LCD module in the frame 20 and the electronic device 22 are connected by joining the first joining portion 24C and the second joining portion 20A.

Conclusion

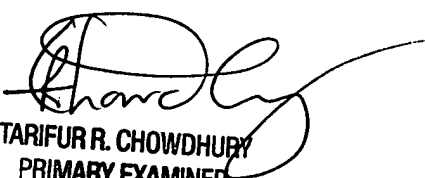
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

Thoi Duong



03/16/2005



TARIFUR R. CHOWDHURY
PRIMARY EXAMINER